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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/617,503	07/11/2003	Joachim E. Klee	KON-76B	KON-76B 3984	
7:	590 10/17/2006		EXAM	INER	
Douglas J. Hura, Esquire			PENG, KUO LIANG		
	ITERNATIONAL INC.				
570 West College Avenue			ART UNIT	PAPER NUMBER	
Vork PA 17405			1712		

DATE MAILED: 10/17/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

q ³					
	Application No.	Applicant(s)			
Office Astion Comments	10/617,503	KLEE ET AL.			
Office Action Summary	Examiner	Art Unit			
THE WALL BOOK TO SALE	Kuo-Liang Peng	1712			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence ad	dress		
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin vill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this co D (35 U.S.C. § 133).			
Status					
 Responsive to communication(s) filed on 7/31/0 This action is FINAL. 2b) ☐ This Since this application is in condition for alloware closed in accordance with the practice under E 	action is non-final. nce except for formal matters, pro		e ments is		
Disposition of Claims					
4) ☐ Claim(s) 1-17 is/are pending in the application. 4a) Of the above claim(s) is/are withdray 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-17 is/are rejected. 7) ☐ Claim(s) 4-6 is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or	vn from consideration.				
Application Papers					
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) access Applicant may not request that any objection to the Replacement drawing sheet(s) including the correction 11) The oath or declaration is objected to by the Examine 11.	epted.or b) objected to by the I drawing(s) be held in abeyance. See ion is required if the drawing(s) is ob	e 37 CFR 1.85(a). jected to. See 37 CF	• •		
Priority under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) □ All b) □ Some * c) □ None of: 1. □ Certified copies of the priority documents have been received. 2. □ Certified copies of the priority documents have been received in Application No 3. □ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
Attachment(s) Online of References Cited (PTO-892) Online of Draftsperson's Patent Drawing Review (PTO-948) Online of Draftsperson Draftsperson Drawing Review (PTO-948) Online of Draftsperson Draf	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	ate			

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DETAILED ACTION

- 1. The Applicants' amendment filed on July 31, 2006 is acknowledged. Claims 5 and 7 are amended. Now, Claims 1-17 are pending.
- 2. Specification objection(s) in the previous Office Action (Paper No. 090305) is/are removed.
- 3. The text of those sections of Title 35, U.S. code not included in this action can be found in prior Office Action(s).

Specification

4. The disclosure is objected to because of the following informalities:

In the last two lines of page 14, the statement "Q is an ether, an ester, an urethane or thiourethane linking group" causes confusion because when Q is an ether, formulae IV, V or VI are attached to the backbone of the hybrid monomer compound via a peroxy linkage. Applicants argue that the ether is an R-O-R linkage. However, it is not clear as to what moiety R in R-O-R corresponds to the formulae IV, V and VI.

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Claim Objection

5. Claim objection of Claim 5 is maintained because the rejection is adequately set forth in paragraph 2 of Paper No. 090305. Applicant's arguments have been fully considered but they are not persuasive. The focus argument related to the core patentability is discussed below.

In Claim 5 (page 7, line 7 from bottom), should "alkenyl" be -- alkenylene --?

6. Claims 4-6 are objected to because of the following informalities:

In Claims 4-6, the formulae are not legible.

Claim Rejections - 35 USC § 112

7. Rejection of Claims 4-5, 8-9 and 15-17 under 35 USC 112 is maintained because the rejection is adequately set forth in paragraph 4 of Paper No. 090305. Since the rejections appear not being addressed (Except the issue with Q in Claim 5). The rejections are repeated below.

A broad range or limitation together with a narrow range or limitation that falls within the broad range or limitation (in the same claim) is considered

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indefinite, since the resulting claim does not clearly set forth the metes and bounds of the patent protection desired. Note the explanation given by the Board of Patent Appeals and Interferences in Ex parte Wu, 10 USPQ2d 2031, 2033 (Bd. Pat. App. & Inter. 1989), as to where broad language is followed by "such as" and then narrow language. The Board stated that this can render a claim indefinite by raising a question or doubt as to whether the feature introduced by such language is (a) merely exemplary of the remainder of the claim, and therefore not required, or (b) a required feature of the claims. Note also, for example, the decisions of Ex parte Steigewald, 131 USPQ 74 (Bd. App. 1961); Ex parte Hall, 83 USPQ 38 (Bd. App. 1948); and Ex parte Hasche, 86 USPQ 481 (Bd. App. 1949). In the present instance, Claim 4 recites the broad recitation "A is a polymerizable moiety" (line 7), and the claim also recites "preferably an acrylate or methacrylate group" (lines 7-8) which is the narrower statement of the range/limitation. The same issues occur in Claim 5 (page 7, lines 5 and 10 from bottom and page 8, line 1).

In Claim 4 (line 12), "X is a nitrogen atom" causes confusion because when A is an acrylate or methacrylate group, $(A)_n$ -X will be a group of $(H_2=C(H \text{ or } CH_3)-C(O)O)_n$ -N.

In Claim 5, "R₃" is not defined in formulae 2, 6 and 8-10.

In Claim 5 (2nd line from bottom), the statement "Q is an ether, an ester, an urethane or thiourethane linking group" causes confusion because when Q is an ether, formulae IV, V or VI are attached to the backbone of the hybrid monomer compound via a peroxy linkage. Applicants' argument is not persuasive because of the reason described in paragraph 4 above.

Regarding Claims 8, 9 and 15-16, the phrase "such as" renders the claim indefinite because it is unclear whether the limitations following the phrase are part of the claimed invention. See MPEP § 2173.05(d).

In Claim 8 (lines 2-3 and 4-5), the Markush languages are improper.

In Claim 17, the word "obtainable" is not a positive limitation, and does not constitute a limitation in any patentable sense. See *In re Hutchinson*, 33 CCPA 879, 154 F. 2d 135, 69 USPQ 138 (CCPA 1946). Applicants are advised to replace "obtainable" by -- obtained --.

In Claim 17 (line 2), it is not clear as to what "any one of claim 1" refers to.

Claim Rejections - 35 USC § 102 and 103

8. The rejections as set forth in paragraphs 6 and 8-9 of Paper No. 090305 are deemed proper and are incorporated herein by reference. Since Applicants failed to respond to these grounds of rejection, no further response is required.

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9. It is noted that the certified copy of the foreign priority paper, DE 10101537.2, is missing.

- 10. THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a). A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.
- 11. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kuo-Liang Peng whose telephone number is (571) 272-1091. The examiner can normally be reached on Monday-Friday from 8:30 AM to 5:00 PM. If attempts to reach the examiner by telephone are

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unsuccessful, the examiner's supervisor, Randy Gulakowski, can be reached on (571) 272-1302. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

klp

October 3, 2006

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